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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,136	12/06/2006	Anton Christian Lauridsen	2836-0160PUS1	3839
2292 7590 02/25/2008 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
EXAMINER KRISHNAN, VIVEK V				
ART UNIT 2145		PAPER NUMBER		
NOTIFICATION DATE 02/25/2008		DELIVERY MODE ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/586,136

Applicant(s)

LAURIDSEN ET AL.

Examiner

VIVEK KRISHNAN

Art Unit

4121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☒ Claim(s) 5, 7-10, 14, 16, 17, 25 and 27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 July 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/088)
- Paper No(s)/Mail Date July 17, 2006
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

This is a Non-Final Office Action Correspondence in response to U.S. Application No. 10/586136 filed on December 6, 2006, claiming a U.S. National Stage entry under 35 U.S.C. 371 of International Application PCT/DK05/000555, filed on August 31, 2005, which claims priority to European Patent Application No. 04077431.7, filed on August 31, 2004. Claims 1-29 are pending.

Examiner acknowledges receipt of preliminary amendment and remarks/arguments filed on July 17, 2006.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, *the journalizing means including the notification queue, notification server, notification loader, notification scheduler, and e-mail management relation database storage of Claim 14*, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet,

even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

3. Claims 5, 7-10, 14, 17, 25, and 27 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim serves as the basis for these multiple dependent claims. See MPEP § 608.01(n). Accordingly, the Claims 5, 7-10, 14, 17, 25, and 27 not been further treated on the merits. Note, prior art rejections for these claims have been made below, with the claims read as single dependent claims.

4. Claim 16 is objected to because of the following informalities:

Claim 16 recites the limitation "**said journalisable acceptance criterion**". There is insufficient antecedent basis for this limitation in the claim. Claim language should be corrected to read "**A**

system according to claim 15" or be otherwise correct to provide sufficient support for the recited limitation. Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 14 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

7. Claims 14 and 15 recite the limitation "**the journalizing means**". There is insufficient antecedent basis for this limitation in the claim. In addition, the meaning of this limitation is unclear in view of the claims, the specification, and a further search on the prior art. The recited limitation should be clearly defined. No new matter should be entered.

8. Claims 14 recites the limitation "**a notification queue**". The meaning of this limitation is unclear in view of the claims, the specification, and a further search on the prior art. The recited limitation should be clearly defined. No new matter should be entered.

9. Claims 14 recites the limitation "**a notification server**". The meaning of this limitation is unclear in view of the claims, the specification, and a further search on the prior art. The recited limitation should be clearly defined. No new matter should be entered.

10. Claims 14 recites the limitation "**a notification loader**". The meaning of this limitation is unclear in view of the claims, the specification, and a further search on the prior art. The recited limitation should be clearly defined. No new matter should be entered.

11. Claims 14 recites the limitation "**the e-mail management relation database storage**". The meaning of this limitation is unclear in view of the claims, the specification, and a further search on the prior art. The recited limitation should be clearly defined. No new matter should be entered.

Claim Rejections - 35 USC § 102

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

13. Claims 1-8, 17, 19-21, 27, and 29 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Application Publication No. 2006/0031357 A1 to Misra et al. (hereinafter 'Misra').

14. Regarding Claims 1, 19, and 29, Misra discloses **an electronic mail management system, method, and computer usable medium** (hereinafter referred to as the system) **for handling electronic mail in a shared multiple user environment, in which the users' incoming electronic mail are sent and received from external correspondents, said system includes a common mail server with a central storage wherein electronic mail items of the users are stored and may be retrieved, said system comprising:**

detecting means for monitoring the flow of in- and outbound electronic mails on the mail server for a specified set of users, and intercepting the in- and outbound e-mails (Misra; paragraphs 37, 75, and 77, discloses means for monitoring and intercepting incoming and outgoing e-mails);

journalising means for creating a notification record of a set of e-mail information data for each of the intercepted electronic mails (Misra; paragraphs 66 and 92, discloses creating metadata records associated with each of the intercepted e-mails);

an electronic mail manager database (EMM DB) for storing said notification records and the associated electronic mails in a relation database so that the notification records and the associated electronic mails are accessible for the users in the multiple users environment by a search query (Misra; paragraphs 37, 65, 66, and 88-92, discloses storing the metadata records in an archive database and the associated e-mails in an archive, also referred to as a network data storage system, and making the associated e-mails accessible to users by search query); **and**

means for establishing a journal of electronic mails from the notification records in the electronic mail management database by defining a search request query and submitting

said search request to a search engine for selecting a user-defined series of information data from the notification records in the electronic mail management database (Misra; paragraphs 79, 80, 85, 88-92, and 93-97, discloses establishing a list of e-mails from the metadata records by defining and submitting a search query for selecting information from the metadata records in the archive database).

15. Regarding Claims 2 and 20, Misra discloses each and every limitation of claims 1 and 19. Misra further discloses **wherein the detection means include means for formatting each intercepted electronic mail** (Misra; paragraphs 37 and 68, discloses formatting each intercepted e-mail into a flat-file).

16. Regarding Claims 3 and 21, Misra discloses each and every limitation of claims 2 and 20. Misra further discloses **wherein the detection means further include means for copying the formatted electronic mail to the electronic mail manager database (EMM DB)** (Misra; paragraph 37, discloses storing the formatted e-mail in the archive).

17. Regarding Claim 4, Misra discloses each and every limitation of claims 1-3. Misra further discloses **wherein electronic mail management relation database is hosted on a SQL server** (Misra; paragraph 92, discloses the archive database is hosted on a SQL server to which SQL queries are made).

18. Regarding Claim 5, Misra discloses each and every limitation of claim 4. Misra further discloses **wherein the means for establishing a journal involves a search according to at least one selection criterion in the notification record for establishing a journal of e-mails among the entries in the electronic mail management database** (Misra; paragraphs 88-89, discloses establishing the list of e-mails from the emails in the archive database involves a search according to at least one selection criteria in the metadata record).

19. Regarding Claim 6, Misra discloses each and every limitation of claim 5. Misra further discloses **wherein the data in the notification record includes a notification message for each e-mail, said notification message containing e-mail header information including at least one of the following data:**

- time of receipt (date);**
- information concerning the sender ("from")** (Misra; paragraph 92, discloses the metadata record including sender information);
- information concerning the recipient or recipients ("to")** (Misra; paragraph 92, discloses the metadata record including recipient information);
- information regarding copy recipients ("cc") and/or blind copy recipients ("bcc");**
- message identification;**
- reference data, such as "in reply to";**
- subject** (Misra; paragraph 92, discloses the metadata record including subject);
- comments; and**

keywords.

20. Regarding Claim 7, Misra discloses each and every limitation of claim 6. Misra further discloses **wherein said electronic mail management system (EMM) is adapted to cooperate with any SMTP protocol based e-mail systems** (Misra; paragraphs 113 and 119, discloses the system is adapted to cooperate with SMTP based e-mail systems).

21. Regarding Claim 8, Misra discloses each and every limitation of claim 7. Misra further discloses **wherein the specified set of users being subjected to the detection means is all users in the multiple user environment is at least two users** (Misra; Figure 2, discloses two users as part of the system).

22. Regarding Claims 17 and 27, Misra discloses each and every limitation of claims 8 and 21. Misra further discloses **wherein the means for establishing a journal of e-mails is adapted for providing a multiple of journals** (Misra; paragraphs 79, 80, 85, and 88-92, discloses providing multiple lists based on a multiple of different search queries).

23. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Misra.

24. Regarding Claim 9, Misra discloses each and every limitation of claim 8. Misra does not explicitly disclose **wherein the multiple-user environment is a multi-site customer environment, each site having a local client server.**

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the multiple-user environment, as disclosed by Misra, such that the user systems in the multiple-user environment are customer client server systems in order to apply the searchable e-mail database system to a normal business environment as intended by Misra (Misra; paragraphs 7-9). A person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to the anticipated success, it is likely the product not of innovation but of ordinary skill and common sense. See *KSR v. Teleflex*, 550 U.S. ___, 127 S. Ct. 1727 (2007).

25. Regarding Claim 10, Misra discloses each and every limitation of claim 8. Misra does not explicitly disclose **wherein the multiple-user environment is a single-site customer environment, having a single client server.**

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the multiple-user environment, as disclosed by Misra, such that the user system in the multiple-user environment is a customer client server system in order to apply the searchable e-mail database system to a normal business environment as intended by Misra (Misra; paragraphs 7-9). A person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to the anticipated success, it is likely the product not of innovation but of ordinary skill and common sense. See *KSR v. Teleflex*, 550 U.S. ___, 127 S. Ct. 1727 (2007).

26. Claims 11, 13, 22, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Misra as applied to claims 1 and 19 above, and further in view of Microsoft® Office System Inside Out: 2003 Edition to Young et al. (hereinafter 'Young').

27. Regarding Claims 11 and 22, Misra discloses each and every limitation of claims 1 and 19. Misra does not explicitly disclose, but Young discloses **wherein the means for establishing a journal include an e-mail management dialog means for each user for indicating arrival and departure of e-mails** (Young; Chapter 38, discloses an inbox and outbox which are used to indicate the arrival and departure of e-mails to a user).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify an e-mail management system, as disclosed by Misra, to include means for indicating the arrival and departure of e-mails to a user, as disclosed by Young.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to provide a functional interface to a user in an e-mail system.

28. Regarding Claims 13 and 24, Misra and Young disclose each and every limitation of claims 11 and 22. Misra, as modified by Young, further discloses **wherein said dialog means provide for automatic journalising for each arriving and departing e-mail** (Misra; paragraph 80, discloses automatically adding e-mails to the queried list).

29. Claims 12 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Misra, as modified by Young, as applied to claims 11 and 22 above, and further in view of U.S. Patent Application Publication No. 2004/0133645 A1 to Massanelli et al. (hereinafter 'Massanelli').

30. Regarding Claims 12 and 23, Misra and Young disclose each and every limitation of claims 11 and 22. Neither Misra nor Young explicitly disclose, but Massanelli discloses **wherein said dialog means provide for seeking consent for journalising for each arriving and departing e-mail** (Massanelli; paragraphs 9 and 37, discloses seeking consent for cataloging arriving and departing e-mails using selection criteria).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the dialog means, as disclosed by Misra, as modified by Young, to include means for seeking consent for journalizing for each arriving and departing e-mail, as disclosed by Massanelli.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to selectively capture relevant emails (Massanelli; paragraph 9).

31. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Misra as applied to claim 8 above, and further in view of U.S. Patent No. 6,230,156 B1 to Hussey.

32. Regarding Claim 14, Misra discloses each and every limitation of claim 8. Misra further discloses **wherein the electronic mail journalising means includes:**

a notification queue (Misra; paragraph 44, discloses an e-mail queue),
a notification server (Misra; paragraph 75, discloses an e-mail server),
a notification loader (Misra; paragraph 44, discloses an e-mail queue and therefore a loader for loading the queue), **and**
the e-mail management relation database storage (Misra; paragraph 66, discloses an archive database for e-mail management).

Misra does not explicitly disclose, but Hussey discloses **a notification scheduler** (Hussey; Figure 2, column 1 lines 40-67, column 2 lines 1-11, column 3 lines 44-47, and column 4 lines 3-14, discloses a scheduler used in updating a database of e-mails).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the journalizing means, as disclosed by Misra, to include a notification scheduler, as disclosed by Hussey.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to reduce the incidence of system bottlenecks (Hussey; column 3 lines 44-47).

33. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Misra, as modified by Hussey, as applied to claim 14 above, and further in view of Massanelli.

34. Regarding Claim 15, Misra and Hussey disclose each and every limitation of claim 14. Neither Misra nor Hussey explicitly disclose, but Massanelli discloses **wherein the notification scheduler include means for updating the journalising means, said updating means include**

a predefined journalisable acceptance criterion (Massanelli; paragraphs 9 and 37, discloses predefined selection criterion for cataloging e-mails).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the notification scheduler, as disclosed by Misra, as modified by Hussey, to include a means for updating the journalizing means, said updating means including a predefined journalisable acceptance criterion, as disclosed by Massanelli.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to selectively capture relevant emails (Massanelli; paragraph 9).

35. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Misra, as modified by Hussey and Massanelli, as applied to claim 15 above, and further in view of U.S. Patent No. 6,438,582 B1 to Hsiao et al. (hereinafter 'Hsiao').

36. Regarding Claims 16, Misra, Hussey, and Massanelli disclose each and every limitation of claim 15. Misra, Hussey, and Massanelli do not explicitly disclose, but Hsiao discloses **wherein said journalisable acceptance criterion being either if the specific e-mail is sent to more users, all users must accept the specific e-mail to be journalised, or if only one of the users accepts the specific e-mail for journalising, the journalising is performed** (Hsiao; column 3 lines 23-53, discloses requiring unanimous agreement of users in order to perform a transaction).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the journalizable acceptance criterion, as disclosed by Misra, as modified by Hussey and Massanelli, to include performing the journalization if all the users agree to it, as disclosed by Hsiao.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to obtain unanimous consent of all participants (Hsiao; column 3 lines 23-53).

37. Claims 18 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Misra as applied to claims 17 and 27 above, and further in view of U.S. Patent No. 7,149,733 B2 to Lin et al. (hereinafter 'Lin').

38. Regarding Claims 18 and 28, Misra discloses each and every limitation of claims 17 and 27. Misra does not explicitly disclose, but Lin discloses **where a journal is established by comparing two or more of said multiple of journals by Boolean operators** (Lin; column 1 lines 6-24, discloses establishing a table by comparing/combining multiple tables using Boolean operators).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify establishing a journal, as disclosed by Misra, to include establishing a journal by comparing two or more journals by Boolean operators, as disclosed by Lin.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to provide a means for establishing a journal in a database system using existing journals.

39. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Misra as applied to claim 21 above, and further in view of Massanelli.

40. Regarding Claim 25, Misra discloses each and every limitation of claim 21. Misra does not explicitly disclose, but Massanelli discloses **wherein the e-mail journalising step includes updating the journalising means, said updating means include a predefined journalisable acceptance criterion** (Massanelli; paragraphs 9 and 37, discloses predefined selection criterion for cataloging e-mails).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the e-mail journalizing step, as disclosed by Misra, to include updating the journalizing means, said updating means including a predefined journalisable acceptance criterion, as disclosed by Massanelli.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to selectively capture relevant emails (Massanelli; paragraph 9).

41. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Misra, as modified by Massanelli, as applied to claim 25 above, and further in view of Hsiao.

42. Regarding Claims 26, Misra and Massanelli disclose each and every limitation of claim 25. Hsiao further discloses **wherein said journalisable acceptance criterion is either if the specific e-mail is sent to more users, that all users must accept the specific e-mail to be journalised, or if only one of the users accepts the specific e-mail for journalising, the journalising is performed** (Hsiao; column 3 lines 23-53, discloses requiring unanimous agreement of users in order to perform a transaction).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the journalizable acceptance criterion, as disclosed by Misra, as modified by Massanelli, to include performing the journalization if all the users agree to it, as disclosed by Hsiao.

One of ordinary skill in the art at the time the invention was made would have been motivated to make this modification in order to obtain unanimous consent of all participants (Hsiao; column 3 lines 23-53).

Conclusion

43. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 7,194,516 B2 to Giacobbe et al. – discloses querying and journalizing e-mail stored in a database.

U.S. Patent Application Publication No. 2004/0199529 A1 to Clark et al. – discloses cataloging and retrieving e-mail messages stored in a database.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIVEK KRISHNAN whose telephone number is (571)270-5009. The examiner can normally be reached on Monday through Friday from 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Taghi Arani can be reached on (571) 272-3787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

VK

/Taghi T. Arani/
Supervisory Patent Examiner, Art Unit 4121

2/15/2008